

ABSTRACT OF THE DISCLOSURE

A filtration device that enables efficient
cleansing and rinsing of filtration media within a short
5 time, in which filtration sand is not likely to become
clogged, and in which unevenness within filtration sand
is not likely to occur. A screw conveyor 32 is provided
within a cleansing tank 38, which is suspended from the
upper portion of a filtration tank 2. A space 52 is
10 formed between a filter bed 4 and a wire mesh 50, which
are vertically separated. Filtration media 14 is
provided on the wire mesh 50, and filtration media 54,
having larger particle sizes than the filtration media
14, is provided within the space 52. A plurality of
15 strainers 12 are provided in the filter bed 4. Cleansing
water spraying pipes 58 are provided on an outer wall
surrounding the space 52. After the screw conveyor 32
is rotated and the filtration media 14 has been cleansed,
cleansing water is sprayed from a filtered water
20 discharge pipe 46 and the cleansing water spraying pipes
58, to expel contaminants through a raw water supply pipe
56.